## untitled-2

## February 27, 2025

[8]: pip install pandas

```
Defaulting to user installation because normal site-packages is not writeable
     Requirement already satisfied: pandas in
     c:\users\advik\appdata\roaming\python\python312\site-packages (2.2.3)
     Requirement already satisfied: numpy>=1.26.0 in
     c:\users\advik\appdata\roaming\python\python312\site-packages (from pandas)
     (2.2.2)
     Requirement already satisfied: python-dateutil>=2.8.2 in
     c:\users\advik\appdata\roaming\python\python312\site-packages (from pandas)
     (2.9.0.post0)
     Requirement already satisfied: pytz>=2020.1 in
     c:\users\advik\appdata\roaming\python\python312\site-packages (from pandas)
     (2024.2)
     Requirement already satisfied: tzdata>=2022.7 in
     c:\users\advik\appdata\roaming\python\python312\site-packages (from pandas)
     (2025.1)
     Requirement already satisfied: six>=1.5 in
     c:\users\advik\appdata\roaming\python\python312\site-packages (from python-
     dateutil>=2.8.2->pandas) (1.16.0)
     Note: you may need to restart the kernel to use updated packages.
     [notice] A new release of pip is available: 25.0 -> 25.0.1
     [notice] To update, run: python.exe -m pip install --upgrade pip
 [9]: import pandas as pd
[10]: df=pd.read_csv(r"C:\Users\advik\OneDrive\Desktop\CSVfile.csv")
[11]: print(df)
           Nane Class
                         Subject Roll no Grade
     0 aradhya
                          python
                                        1
                   1 A
     1 radhika
                   1B
                         English
                                        2
                                               В
                           Maths
                                        3
                                              С
     2
        pragya
                   1C
     3
         shikha
                   1D
                         biology
                                        4
                                              D
         sakshi
                                        5
                                              Ε
                   1E
                        Computer
```

```
science
     5
         prachi
                    1F
                                           6
     6
           sneha
                    1G
                           Physics
                                           7
                                                  Η
     7
           parul
                             Hindi
                                           8
                                                  Ι
                    1H
     8
          Aastha
                    1I
                         chemistry
                                           9
                                                  J
[12]: df.head()
[12]:
            Nane Class
                           Subject Roll no Grade
         aradhya
                     1A
                            python
                                           1
                                                 Α
      1
         radhika
                           English
                                           2
                                                 В
                     1B
                             Maths
                                           3
                                                 С
      2
          pragya
                     1C
                          biology
      3
          shikha
                     1D
                                           4
                                                 D
          sakshi
                                           5
                                                 Ε
                     1E
                         Computer
[13]: df.shape
[13]: (9, 5)
[14]: df.info
[14]: <bound method DataFrame.info of
                                               Nane Class
                                                              Subject Roll no Grade
         aradhya
                     1A
                             python
                                                  Α
                                            2
                                                  В
      1
         radhika
                     1B
                            English
      2
          pragya
                     1C
                              Maths
                                            3
                                                  C
      3
          shikha
                     1D
                                            4
                                                  D
                           biology
      4
          sakshi
                                            5
                                                  E
                     1E
                           Computer
                                            6
                                                  F
      5
          prachi
                     1F
                            science
                                            7
                                                  Н
      6
           sneha
                     1G
                            Physics
      7
           parul
                     1H
                              Hindi
                                            8
                                                  Ι
          Aastha
                                            9
                                                  J>
                     1I
                         chemistry
[15]: df.tail()
[15]:
           Nane Class
                          Subject Roll no Grade
      4
         sakshi
                         Computer
                                           5
                                                 Ε
                    1E
                                                 F
        prachi
                    1F
                           science
                                           6
                          Physics
                                           7
                                                 Η
          sneha
                    1G
          parul
                    1H
                             Hindi
                                           8
                                                 Ι
      7
      8 Aastha
                    1I
                        chemistry
                                           9
                                                 J
[16]: df.dtypes
[16]: Nane
                  object
      Class
                  object
      Subject
                  object
      Roll no
                   int64
      Grade
                  object
```

[17]: df.describe() [17]: Roll no count 9.000000 mean 5.000000 std 2.738613 1.000000 min 25% 3.000000 50% 5.000000 75% 7.000000 9.000000 max[18]: df.isnull [18]: <bound method DataFrame.isnull of Nane Class Subject Roll no Grade aradhya Α 1A python 1 1  ${\tt radhika}$ 1B English 2 В 3 С 2 pragya 1C Maths 4 3 shikha 1D biology D 4 sakshi 1E Computer 5 Ε 6 F 5 prachi 1F science 6 Physics 7 Η sneha 1G 7 parul 1H Hindi 8 Ι Aastha 9 J> 8 1I chemistry [19]: df.columns [19]: Index(['Nane', 'Class', 'Subject', 'Roll no', 'Grade'], dtype='object') [20]: df.index

dtype: object

[20]: RangeIndex(start=0, stop=9, step=1)